1968

UNITED STATES
DEPARTMENT OF THE INTERIOR

OI-6

APPROVED DECEMBER 1967

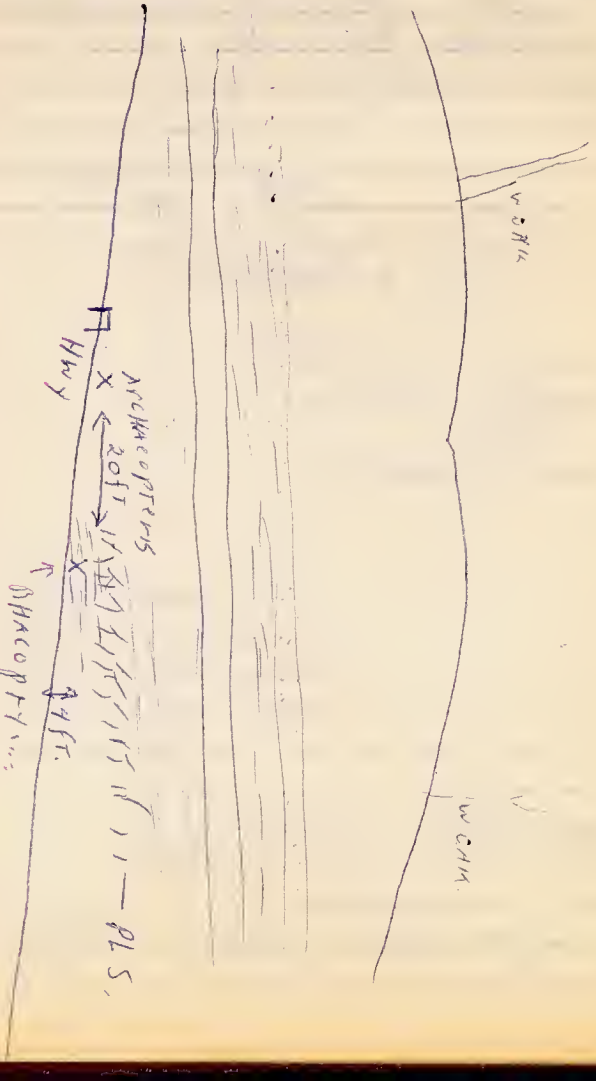
Pace = level
mod uphill
mod downhill

LEO J. HICKEY
DIVISION OF PALEOBOTANY
SMITHSONIAN INSTITUTION
WASHINGTON, D. C. 20560

Loc. 681

Along U.S. Rte 15 one mile west of Valley Head, Randolph Co, W.Va.

Culvert no. map. ~~ELKINS~~ W. Va.



Loc. 181

Head of Valley -

Sect. by John Dennison
Dept. of Geol

Top of Chemung top of
non fill Makin
Fossiferous unit

Fossils from.

Hampshire fm.

Chemung seq.
which is Upper most
Dev.
Catskill Facies

Miss — Sunbrian ls.
Pocono ss.
Dev. — Hampshire fm
Chemung fm.

392' above base } Hamps.
170' below top }

J Dennison Lithstrat, ~~s.f.~~ l.o ~~light orange~~.

Loc. 681.

J. Dennisi des. fossil used as

1 siltstone, l. buff gray
sandy lam. to thin bedded
3. 0 feet thick
Drapish green in top foot.

W Alexander GANCAR 2

STA. NO.	TIME	BAROMETER	Cor. Bar.	Elev Prev Est.	
682	9:13	2554	2553	2553	BM
683	10:00	[illegible]	2541		TBM
684	[illegible]	[illegible]	2547		[illegible]
[illegible]	[illegible]	25	2532		
686	11:[illegible]	[illegible]	2529		[illegible]
[illegible]	[illegible]	[illegible]	2560		
[illegible]	11:44	[illegible]	2541		
683	1:21	2515	2541		TBM
688	[illegible]	[illegible]	2550		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	21
6810					
6811	[illegible]	[illegible]	2532		
683	5:[illegible]	2515	2541	2539	
682	6:[illegible]	2536	2553		
[illegible]					
		[illegible]			
				[illegible]	
				[illegible]	
				[illegible]	
				17	

1000 FT

NE¼ NW¼ Sec 29

Depth					
	CLAY 2,5				
		From STA	Dist from	Azi	
685		610		683	
685		6[illegible]		151	
[illegible]		[illegible]		3[illegible]	
687		610		567	
[illegible]		[illegible]		[illegible]	310
				281	
685		[illegible]		413	307
[illegible]		[illegible]		254	

7/21/68

STA. NO.	TIME	BAROMETER	Cor. Bar.	Elev. prev. est.	Rem.
682	9:22	2554	553	2553	
683	9:50		2541	2541	
	10:44	2535	2517		
			2545		
			2541		
			2498		
			2493		
683			2501		
		2554	2492	2511.493	

7/20/68

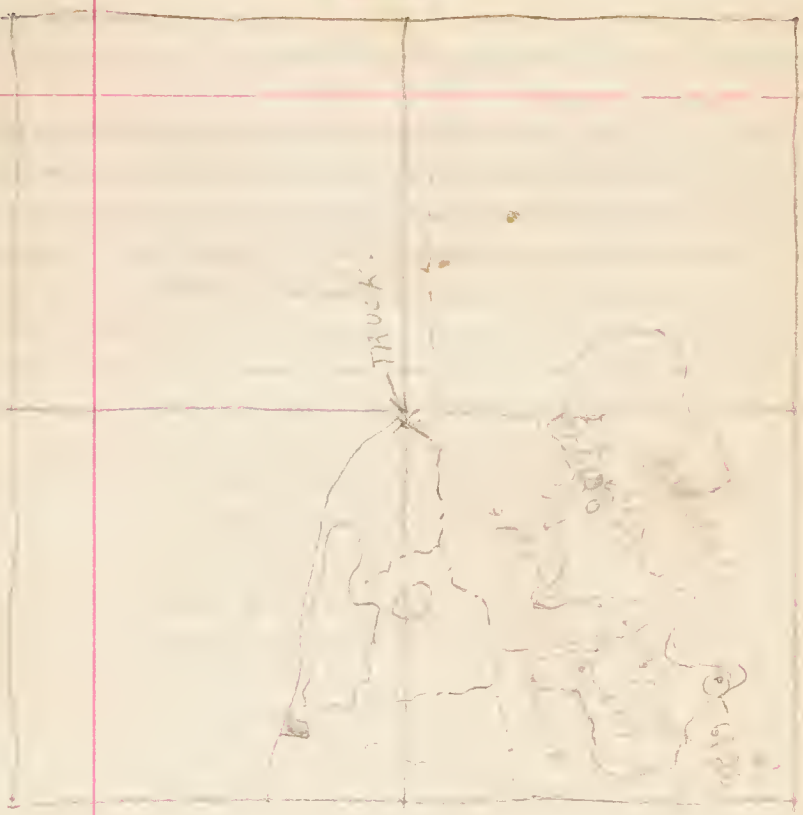
	1:30	2492	2492	2492	
			2490		
			2505		
			2502		
	3:42		2461		
	9:43		2508	2505	
			2508	2505	
684			2500	2521	
		2514	2492		

7/25/68

				2522	

7/24/68

STA. NO.	DIST. from	DIST.	AZ. from.	AZ.	REM.
683	Center fire	252'	Center fire	0°	
612	611	362'	611	107°	
6-	6-	307		45°	
-13				214°	
		511	612		
		420			
				29°	
Center					
		2			
		4			


TRUK

7/25/68

2

7/26/68

STA. NO.	TIME	BAROMETER	Cor. Bar.	Elev. Rcv. Chr.	Rem.
A TAYlor Bm	9:53	2581	2492	2492	
6817	10:25	2578	2506		top of TV
6815	10:47	2573	2505		
[illegible]	[illegible]	2583	2493		
0 6811	11:02	2574	2486		WCH 2471 TV 10'
6809	12:18	2610	2521		
6807	2:12	[illegible]	2508		
A [illegible]	[illegible]	2578	2492		

7

START IN Dubois at 67.9
79.8 START of fossil W.B.
5.6 mi from turnoff.

8/4/68

6830

● n. BANK Sheridan Creek, NW¼, sec. 12, T42N, R110W, Fremont Co., Wyo. Sheridan Pass Quad.
On Sheridan Creek n. side side. ~~in appx~~ N½ ~~sec. 12~~ T42N R110W.

Either equiv. to or
or higher Zone
Coyote (S.K. Harris)

Dalbergia
Neolitsea
Cleome
Ranunculus
Cirsium
(½ inch

Bet. Dev
Fairly uniform
land
Rolling
Hills
Higher mts
yon
+ Smyth. Cenozoic Lava
Sheridan Creek
Sedimentary

Craig Black. - Carnegie P, TT.

6/4/61

Craig Black - Carnegie Mus.
Info. on coll. from Lysite
Grad student at Shotgun
Late Paleocene Coll. from Badwater.

Info. - Collection from Lysite.
Dan Guthrie Claremont (Dept. of)
There until. Aug. 10.
Amherst has Lysite pl.
Craig Black.
Carnegie, Pitts.
has Coll.
A.E. Wood - Bio. Dept,
Amherst.
has Coll. & Control of
Craig's Coll.

Paleocene Shotgun at Twin Buttes
East from Shotgun.
Verts. &
Craig Wood
Under Patterson at
Harvard.

Craig has coll of Paleocene
Shotgun plants from Badwater
Very Sm all & Poor.

On Hwy 287. n. side 6.5 mi W. of Dubois in SW ¼, sec. 19, T 42N, R 107 W.

8/5/62

6832 IN EAST ½ Sec. 12, T 42 N, R 108 W.
Bench Creek EAST bANK

(Wind River Fm

Acrosticum ?
Platanophyllum
Lygodium.
Typha

L 132 app. 10.7 mi. n.w. of Dubois on Hwy 28 1N, NW¼, sec. 10, T42N, R. 108W.

8/6/68

6H0 Irrigation Ditch
Localities.

8/6

6834. N. side Hwy. 287 w. of Dubois.
in NW, SE, Sec. 4, T 42N, R108W

plants in fissile silt at base of a tuff of use above bank of old irrigation ditch. Badly fractured in unweathered outcrop.

6835 SE, SE, sec. 4, T42N, R108 W.
n. side Hwy 287, w. of Dubois
plants abt halfway up hillside above bank of old irrigation ditch.. At base of middle tuff but badly fractured.

6836. NW, NW, sec 10, T 42N, R108W.
n. side of Hwy, 262 ppp. 12 mi w. of Dubois, Wyo.

Loc. des same as at 6835.

6834 [illegible]

6835 [illegible]

6836 [illegible]

6837 n. side Hyw 287, T app. 12. mi
w. of DuBois Wyo. SW.
NW, NW, Sec. 10, T42N, R105W.
between locs. 6836 & 6833.
PLANTS IN A lens of Lithaceous
CHANNEL SANDSTONE AT THIS POINT.

8/7/68

6838.

Shoshone NATL. Forest, Fremont Co. Wyo, T43N, R109W, LAT. 43° 42' Long. 109° 52' 35" Kisinger Lakes Quad

Tepee TRAIL fm.

7.7.7

36

90.5

Road Below

11.2

10.0

LITHOLOGY - Basalt
Basalt

8/8/68

6839. ~~Mr. Theron Wasson's Loc.~~
~~in Sandy Wind River.~~
~~abt. 2 mi EAST of MAC's Locs.~~
IN SAND lense AT loc. 6837
SAME AS 6837

6/8/68

6840

Big Diamond Ranch.

SW¼ Sec. 29, T 40N R 94W

Good Pollen.

8/12/68

NW 1/4 sec. 8, T 38 N, R - 93 W W. of
Bonneville, Fremont Co. Wyo.

Carlisle

CANYON TRUCK 5592

6843 CANYON Mile POST 293

NW 1/4, sec. 10, T. 38N, R 92W

LAMINARIA

LYGODIUM

PALM

ASPLENIUM

8/15/68

6844 Cold & light Snow

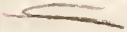
Junct. Coyote &
Warm Spring Creek.
NE¼ Sec. 19, T 42N, R 109W
Fremont Co., Wyo.
X 2 on Bonnet's
Fish Lake Quad.

Wind River Fm.

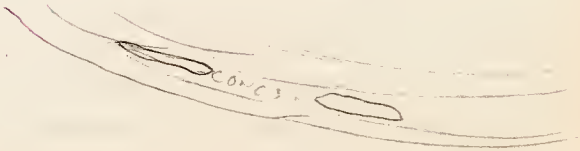
not cone

ss

not cone



channel deposit
are parallel to x beds



USNM 14154

6845.

~~Conss~~ Cones. (siderite)
are present ~~in~~ in beds in
fine grained units

interbedded with 11 beds
of 1 2 cm. fg ss.

6845 ½ Above Old Smith
mine on N. side
of Rd. in Sec. 6

8/26/68

6846 NW side of Ruler Bench
[illegible]
N½ [illegible], T 7 S R 103 W

FAIR Exposures of F.V. lignitic
sandy phases.

Top of Ruler Bench capped
with PC gravels
BUT SS just below

Fluvial Sequence

8/26/68

6847 NE NW SEC. 23 T6S R18W.
on Mt. Trail

High Fu.
Arkansas
Intermediate
Grp 6847a. Cark Shs [illegible]

N ½ SEC. 25. Good Fu Grp

USNM 14180

6848 SW, NW, SW, sec 1, T9S R 103W on a spur just W. of Gold Creek.

PLATANUS cf reynoldsii in a m. gr. Sand. with interbeds of Congl. Congl. has porphry granite pebbles

65. x bedded, isoclinally folded.

USNM
14181

6849 NW, SW, Sec. 24, T 8S ~~R 15 W~~
upper end of Dilworth Bench
Coarse
Arkosic grits interbedded
with fg. Arkosic x bedded
~~& slumped~~ slump bedded
SS, Sec also includes
Carb Shales, Carb interbeds
in sands & Thin lignite
zone
SS & grits incl mica & much
Carb Trash

6849b - Gastropods in SS
float at level
of x bedded SS.

Toward S. side of Dilworth Bench
Grit interbeds, becomes a fine
(conglomerate) with xline
& porphyry pebbles

8/27/68

USNM 14182

6850 SE, SW, Sec 24, T8S, ~~R103W~~ R103W 20 15

Lignite AT Top of Sec on S Side AT upper end of Dillworth Bench.

6950 A Xbedded SS Cliff on S Side of Dillworth Bench in E, NW, Sec 25, T8S R103W.

Meta Sequoia Zone in Carb interbeds.

Grits AT Top of Cliff. & IN Interbeds Throughout porphyry pebbles, ~~conglom~~

152 SE, NW, Sec 25, T 7S, R. 23W.

Dip 7° STR. 133° on FU. SS.

USNM 14197

6854 - AT Top of Carb Layer
150 YARDS EAST of
Jep. Loc

F.V.

USNM 14196

8/31/68

6853 First cut on Clark Fork Canyon gravel road 5 mi. W. of Clark, Wyo., S½, NW¼, Sec. 36, T57N, R103W, Park Co. Mapped as Willwood by Pierce

Lignitic shs. & carb sands in a conglomeratic seq.

Platanus nobilis
Cercidiphyllum arcticum
fruits & leaves.
Hydrom vstria expansa.

6855 | ~~CENTER~~ WEST

SW¼, NW¼, Sec 25, T57N, R103W
5 mi west of CLARK,
PARK CO., Wyo.

Sandy & shaley brn's
in a mild Cony lim-nitic
sequence. Some pl. frags
of very poor quality &
some thin limestones
but no [illegible]
fossil plants.

USNM 14198 9/5/68

6856 Center, N½, Sec. 19, T 55 N R 102 W on east side of Little Sand Coulee.

Willwood Fm.
Red banded sequence
dipping ca. 10° N.

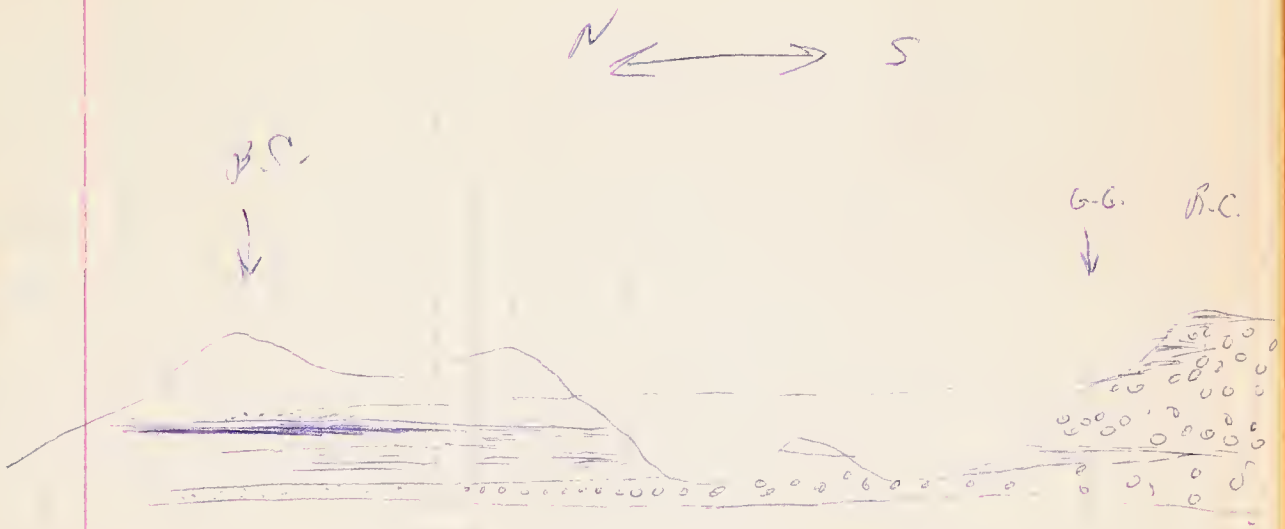
Sample of

6856 A Drab shale
6856 B Light grey ss interbeds in red ss.
6856 C Red banded sh
6856 D Yellow Channel ss. Sheet of A+ base of seq.
6856 E Vertebrates from red banded seq.

JACK	ARMAND	JUDY	ZOO
0	5	6	15
2	6	15	30
2	15	28	33
5	36	30	33
5	37	35	33
22	54	43	33
26	54	50	52
26	56	54	72
30	56	76	72
31	56	81	

JACK	Armand	Judy	Me	
5	85	20	0	7
45	85	60	120	6
130	85	80	155	5
145	85	135	210	4
170	105	135	215	3
265	105	160	245	2
270	105	165	255	1
270	325	275	275	2
295	400	275	305	3
330	400	335	360	4
345	400	355	420	5
405	415	355	485	6
415	415	355	555	7

13	1	2	10	1
16	20	6	15	2
37	20	11	15	3
43	36	15	15	4
47	36	18	34	5
47	49	31	34	6
60	51	36	40	7
69	67	37	40	8
88	71	40	40	9
88	95	40	42	10


N
S
B.C.
G-G.
B.C.

Reprint List

Craig C. Black.
Carnegie Mus. Pitt., Pa.

7 2

32.0

Dipterocarpaceae.

Middle post 343 ft. N. 2 chs of BM. West of [illegible]

6 HS.1 - Transaction zone

HS.6 Bridgeport Chert

30.3

51.5 ø 5.6

51.5 11.5 10.7

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